

Z/043/63/000/001/001/004  
D287/D307

Ferrocene derivatives ...

the aromatic nucleus could be observed in all spectra. The C=O group of the maleinimide appears as a strong band at 1710 to 1720  $\text{cm}^{-1}$  and as a weaker band shifted by approximately 60  $\text{cm}^{-1}$  towards the higher wavelengths. The intensity of this band is weak in N-ferrocenyl maleinimide, increases in cyclopentadiene and furan adducts and is considerably increased in derivatives of these adducts. The absorption maximum in the 615 - 645  $\text{cm}^{-1}$  region in the ir spectra of the adducts confirms the endo-isomers are formed. The listed bicyclic adducts formed have not hitherto been described in literature; they include: N-ferrocenylbicyclo-1,2,2-heptene-5-2,3-dicarboximide, N-ferrocenyl-7-dimethylmethylene bicyclo-1,2,2-heptene-5-2,3-dicarboximide, N-ferrocenyl-1,4-endoxo-cyclohexene-5-2,3-dicarboximide, N-ferrocenyl-1-methyl-1,4-endoxo-cyclohexene-5-2,3-dicarboximide, N-ferrocenyl-7-methyl-ferrocenylmethylene-bicyclo-1,2,2-heptene-5-2,3-dicarboximide. The ir spectra were measured with KBr pellets on an UR 10 Zeiss ir spectrophotometer. There are 4 figures and 1 table.

Card 2/3

derivatives ...

Z/043/63/000/001/001/004  
D287/D307

ASSOCIATION: Laboratorium chemie Prirodovedeckej fakulty, Univerzity Komenského, Bratislava, Slovenská akadémia vied, Fyzikálno-chemické oddelenie, Bratislava (Chemical Laboratory of the Department of Natural Sciences of the Komensky University, Bratislava, Czechoslovak AS, Institute of Chemistry of the Slovak Academy of Sciences, Department of Physical Chemistry, Bratislava)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000513910011-0

SUBMITTED: July 13, 1962

Card 3/3

45195

Z/043/63/000/001/002/004  
D287/D307

5.1020

Synergists of pyrethrum ...

Z/043/63/000/001/002/004  
D287/D307

insecticidal properties of these compounds, in conjunction with pyrethrum. The toxicity indices for *Musca domestica* were relatively low when compared with the indices of the N-methyl derivative. Only the Cl-derivative had an increased toxicity index (439 to 675). whereas all other derivatives had reduced insecticidal and synergistic properties (e.g. 439 to 227 in the case of the -OH derivative and 439 to 151 for -CH<sub>2</sub>OH derivatives). Cl-substitution has, therefore, similar (although slightly more pronounced) effects to substitution of the methyl group (-N-CH<sub>2</sub>CH<sub>3</sub> ≈ -N-CH<sub>2</sub>Cl). There are 1 figure and 2 tables.

ASSOCIATION: Katedra organickej chémie a biochémie Prirodovedeckej fakulty Univerzity Komenského, Bratislava (Department of Organic Chemistry and Biochemistry of the Faculty of Natural Sciences, Komensky University, Bratislava)

SUBMITTED: August 7, 1962

Card 2/2

FURDIK, Mikulas, prof., inz.; VACOKOVA, Vlasta, promovany chemik;  
HRNČIAR, Pavel, promovany chemik, C.Sc.

On phthalides and indandiones-(1,3). Part 13: Examination of the reaction of 2-phenylindandione-(1,3) and of 2-( $\alpha$ -naphthyl)-indandione-(1,3) with esters of monohalogen acetic acids dihalogen acetic acids. Chem zvesti 16 no.7:532-541 JI '62.

1. Katedra organickej chemie a biochemie, Prirodovedecka fakulta university Komenskeho, Bratislava, Smeralova 2.

FURDIK, M.; IGMA, S.

On derivatives of ferrocene. Pt.6. Acta r nat Univ Com 7  
no.10:545-547 '63.

1. Katedra organickej chemie a biochemie, Univerzita komenskeho,  
Bratislava, Smeralova 2.

FURDIK, M.; GVOZDJAKOVA, A.; KANALA, A.

Contribution to the synthesis of homopiperonal. Acta r nat  
Univ Com 7 no.10:557-566 '63.

1. Katedra organickej chemie a biochemie, Univerzita Komenskeho,  
Bratislava, Smeralova 2.

FURDIK, M.; MACKO, J.

Contribution to the examination of the insecticidal carbamidic acid esters. Acta r nat Univ Com 7 no.10:567-575 1963.

1. Katedra organickej chemie a biochemie, Univerzita Komenského, Bratislava, Štefáikova 2.

FURDIK, M.; POLAK, M.

On phthalides and indandiones-(1,3). Pt. 14. Zborník chem. úst. Univ.  
Com 7 no.10:577-583 '63.

1. Katedra organickej chemie a biochemie, Univerzita Komenského,  
Bratislava, Smeralova 2.

FURDIK, Mikulas, prof., inz.; STULLEROVA, Alzbieta, inz.; RAPOS, Pavel,  
inz.; PRIEHRADNY, Samo, dr.

Synthesis and herbicide efficiency of 1-ethynyl-cyclohexanol  
derivatives. Chem zvesti 17 no.9:616-628 '63.

1. Katedra organickej chemie a biochemie, Prirodovedecka  
fakulta univerzity Komenskeho, Bratislava, Smeralova 2 (for  
Furdik and Stullerova). 2. Vyzkumny ustav agrochemickej  
technologie, Bratislava - Predmestie (for Rapos and Priehradny).

FURDIK, M.; DZURILLA, M.; TOMA, S.; SUCHY, J.

Ferrocene derivatives. Pt. 9. Acta r nat Univ Com 8 pt.10 no.7:  
569-579 '64.

FURDIK, M.; GVOZDJAKOVA, A.

Pyrethrum synergists. Pt. 12. Acta r nat Univ Com 8 pt.10 no.7:  
581-586 '64.

L 1640-66 EPF(c)/ENP(j) RM

ACCESSION NR: AP5024274

114.55  
CZ/0043/64/000/008/0607/0612

AUTHOR: <sup>114.55</sup>Furdik, M. (Professor, Engineer)(Bratislava); <sup>114.55</sup>Toma, S. (Toma, Sn.)  
(Graduate chemist)(Bratislava); <sup>114.55</sup>Dzurilla, M. (Graduate chemist)(Bratislava);  
Suchy, J. (Suchy, Ya.)(Engineer, Candidate of sciences)(Bratislava)

29  
23  
8

<sup>114.55</sup>TITLE: <sup>114.55</sup>Derivatives of ferrocenes. (I). Contribution to the study of condensation  
of haloforms and chloral with some carbonyl derivatives of ferrocene

SOURCE: <sup>118-</sup>Chemické zvesti, no. 8, 1964, 607-613

TOPIC TAGS: condensation reaction, organoiron compound

ABSTRACT: Aldolisation reaction of haloforms with ferrocene aldehyde can take place; this reaction is obstructed by the steric structure when acetyl ferrocene or 1,1'-diacetyl ferrocene are introduced to the reaction. Aldolization reaction of chloral with acetyl ferrocene and with 1,1'-diacetyl ferrocene is discussed. The reaction of Chloral with cyclo penta dienyl groups produces a plastic material. Orig. art. has: 2 figures, 2 graphs.

Card 1/2

L 1640-66

ACCESSION NR: AP502427<sup>4</sup>

ASSOCIATION: Furdik, Tomáš, Dzurilla / Katedra organické chemie a biochemie  
Prírodovedeckej fakulty Univerzity Komenského, Bratislava (Department of Organic  
Chemistry and Biochemistry, Faculty of Natural Sciences, Comenius University); 44.55  
Suchý / Chemický ústav Slovenskej akadémie vied, Bratislava (Institute of Chemistry,  
Slovak Academy of Sciences)

44.55  
SUBMITTED: 15 Apr 66

ENCL: 00

SUB CODE: 00, 00

NR REF SOV: 001

OTHER: 007

JPRS

MC  
Card 2/2

FURDIK, M.; SLEDOVA, Z.

*On nyrachnum synergiate.* 1963. *Acta Chem Slovaca* 9 no.5:255-268 1963.

Contribution to the preparation of 3-aminocyclopentene. *Ibid.*: 269-272 1963.

1. Chair of Organic Chemistry and Biochemistry of the Faculty of Natural Sciences of Comenius University, Bratislava. Submitted July 17, 1963, June 20, 1963.

L 7711-66 EWA(j)/EWP(j)/EWA(h)-2 RM

ACC NR: AP6000910

SOURCE CODE: CZ/0043/65/000/001/0028/0033

AUTHOR: Bilik, Vojtech (Graduate chemist); Bauer, Stefan--Bauer, Sh. (Engineer;  
Candidate of sciences); Jezo, Ivan--Jezho, I. (Doctor; Engineer; Candidate of sciences);  
Furdik, Mikulas (Engineer; Professor)

ORG: Department of Biochemistry of Saccharides, Chemical Institute, Slovak Academy of  
Sciences, Bratislava (Chemicky ustav Slovenskej akademie vied, Oddelenie monosacharidov);  
Department of Organic Chemistry and Biochemistry, Faculty of Natural Sciences, Comenius  
University, Bratislava (Katedra organickej chemie a biochemie Prirodovedeckej fakulty  
Univerzity Komenskoho)

TITLE: Separation of O-trimethyl-silyl derivatives and O-methyl derivatives of mono-  
saccharides by gas-liquid chromatography

SOURCE: Chemické zvesti, no. 1, 1965, 28-33

TOPIC TAGS: carbohydrate, biochemistry, gas chromatography, chemical separation,  
organosilicon compound

ABSTRACT: The authors describe separation of O-trimethyl silyl derivatives from O-  
methyl derivatives of monosaccharides by means of gas chromatography. The anchored  
phase used was a polyester of 1,4-butane diol succinate. They found that elution  
periods of methyl analogues of trimethyl silyl ethers were a function of the anchored  
phase and its carrier (silica). Eng. A. Kardosova and P. Suchansky collaborated in  
the work in the division of gas chromatography. Orig. art. has: 4 graphs, 1 table. [JPRS]  
Card 1/2

L 7711-66

ACC NR: AP6000910

SUB CODE: 06, 07 / SUBM DATE: 20Jul64 / OTH REF: 008

Card <sup>m</sup> 2/2

L 00168-66 EPF(c)/EWP(j)/EWA(c) JW/RM

ACCESSION NR: AP5025527

CZ/0043/65/000/005/0371/0378

AUTHOR: Furdik, M. (Professor, Engineer); Elecko, P. (Elechko, P.) (Graduate chemist); Kovac, S. (Kovach, Sh.) (Doctor, Engineer, Candidate of sciences)

TITLE: Ferrocenes. (XI). Synthesis of halogen compounds derived from acryloyl-ferrocene

SOURCE: Chemicke zvesti, no. 5, 1965, 371-378

TOPIC TAGS: ferrocene, chlorinated organic compound, organic nitrogen compound, brominated organic compound, IR spectrum

ABSTRACT: [Authors' English summary]: The addition of hydrogen halides and halogens to acryloylferrocenes was investigated. An attempt to prepare Beta-halopropionylferrocenes was made. Starting with beta-halopropionylferrocenes and beta-diethylaminopropionylferrocene hydrochloride, 1-(p-nitrophenyl)-3-ferrocenyl- delta 2-pyrazoline was prepared by condensation with p-nitrophenylhydrazine. This was followed by cyclization. The infra-red spectra of this compound were also studied. "Engineer J. Krsk. of the Analytical Department of the Research Institute of Agrochemical Technology at Bratislava, is thanked for performing the analysis." Orig. art. has: 1 figure, 2 formulas, 1 graph and 1 table.  
Card 1/2

L 00168-66  
ACCESSION NR: AP5025527

ASSOCIATION: Katedra Organickej Chemie a Biochemie Prirodovedeckej Fakulty  
Univerzity Komenskeho, Bratislava (Department of Organic Chemistry and Biochemistry,  
Faculty of Natural Sciences, Comenius University); Katedra Organickej Chemie  
Slovenskej Vysokej Skoly Technickej, Bratislava (Department of Organic Chemistry,  
Slovak Technical University)

SUBMITTED: 22Oct64

44,55

ENCL: 00

SUB CODE: OC, GC

NR REF SOV: 000

OTHER: 004

JPRS

44,55

*SW*  
Card 2/2

L 00170-66 EPF(c)/EWP(j)/EWA(c) RM  
ACCESSION NR: AP5025529

CZ/0043/65/000/005/0389/0402

AUTHOR: Furdik, M. (Professor, Engineer); Sutoris, V. (Docent, Candidate of sciences)

TITLE: Pyrethrum synergists (XVI). Synthesis of some new substances derived from cyclopentadiene, fulvene, and n-substituted bicyclo [1,2,2] hept-5-ene-2,3-dicarboxylic acid imide

SOURCE: Chemické zvesti, vol 19, no. 5, 1965, 389-402

TOPIC TAGS: synergy, organic nitrogen compound, cyclic group, organic sulfur compound, phosphoric acid, carboxylic acid, substituent

ABSTRACT: [Authors' English summary modified]: Synthesis of pyrazoline derivatives in adding diazomethane to the ethylene double bond in position C(5) was studied. N-substituted bicyclo [1,2,2] hept-5-ene-2,3-dicarboxylic acid-3-amide, bicyclo [1,2,2] hept-5-ene-2,3-dicarboxylic acid imide, and its 7-dialkylmethylene and 7-methylphenylmethylene derivatives were used. 5,6-epoxide ring derivatives were also investigated. It was not possible to obtain derivatives of exo-cis-N-substituted bicyclicdicarboxylic acid imide.  
Card 1/2

39  
21  
3

L 00170-86  
ACCESSION NR: AP5025529

ido starting from 6-methyl-6-phenylfulvene because of steric hindrance. Preparation of bis-cyclopentadiene and tris-6-methyl-6-propylfulvene adducts with O,O-dialkyldithiophosphoric acids was used for their structure study. "Engineer J. Krsk, of the Analytical Department of the Research Institute of Agrochemical Technology at Bratislava and J. Grnakova, of the Chemical Laboratory, Natural Sciences Faculty, Comenius University, Bratislava, are thanked for performing the analysis. Engineer J. Synak, Group Leader of the Biological Department of the Research Institute of Agrochemical Technology at Bratislava, is thanked for testing." Orig. art. has: 4 tables.

SUBMITTED: 22Oct64

ENCL: 00

SUB CODE: OC, GC

NR REF SOV: 000

OTHER: 017

JPRS

*JW*  
Card 2/2

FURDIK, Mikulas, prof., inz.

"Basic principles of organic chemistry" by J.D.Roberts, M.C. Caserio. Reviewed by M.Furdik. Chem zvesti 19 no.5:427-429 '65.

1. Chair of Organic Chemistry and Biochemistry of the Faculty of Natural Sciences of Komensky University, Bratislava, Smeralova
- 2.

L 45354-66 SWI (J) RM

ACC NR: AP6033601

SOURCE CODE: CZ/0043/66/000/001/0003/0017

AUTHOR: Furdik, M. (Professor; Engineer; Bratislava); Toma, S.—Toma, Sh. (Graduate chemist; Bratislava)

ORG: Department of Organic Chemistry and Biochemistry, Faculty of Natural Sciences, <sup>117</sup><sub>110</sub> <sup>B</sup>Comenius University, Bratislava (Katedra organickej chemie a biochemie Prirodovedeckej fakulty Univerzity Komenskeho)

TITLE: Ferrocenes. (XIV). A contribution to the synthesis of new substances by Michael addition starting from chalcones of cinnamoylferrocene type with active reactants

SOURCE: Chemicke zvesti, no. 1, 1966, 3-17

TOPIC TAGS: chemical synthesis, ferrocene, basic catalysis, cyclization, IR spectroscopy, UV spectroscopy

ABSTRACT: A basic-catalyzed Michael addition of p-chlorocinnamoylferrocene and beta-ferrocenylacryloylbenzene with nitromethane, ethyl malonate, ethyl acetoacetate, cyanacetamide, ethyl cyanoacetate, acetylacetone, cyclopentanone, and fluorene was investigated. Under suitable reaction conditions good yields were obtained; in the past only low yields and negative results of such reactions were reported. An intramolecular aldol cyclization took place when ethyl acetoacetate or cyanoacetamide were used; the final products of this reaction were enolates. The structure of these substances was determined by UV and IR spectra. The authors thank G. Blockinger and D. Stefkov, Chemistry Laboratory, Faculty of Natural Sciences, UK, for carrying

Card 1/2

ACC NR: AP6033601

out the analysis; and Engineer M. Livar, Physical Chemistry Section, Research  
Institute for Agrochemical Technology, Bratislava, for taking the infrared spectra.  
Orig. art. has: 5 figures and 4 tables. [Based on authors' Eng. abst.]  
[JPRS: 34,805]

2

SUB CODE: 07 / SUBM DATE: 10Aug65 / ORIG REF: 003 / OTH REF: 005

LS  
Card 2/2

ACC NR: AT6029327 (A) SOURCE CODE: CZ/0043/66/000/009/0650/0660

AUTHOR: Furdik, Mikulas (Professor; Engineer; Bratislava); Drabek, Jozef --  
Drabek, Y. (Engineer; Candidate of sciences; Bratislava-Predmestie); Ondrejka,  
Jan--Ondrejka, Ya. (Engineer; Bratislava-Predmestie); Locigova, Irena--  
Lotsigova, I. (Bratislava)

ORG: [Furdik] Chair of Organic Chemistry and Biochemistry Department of  
Natural History; Komensky University, Bratislava (Katedra organickej chemie a  
biochemie Prirodovedeckej fakulty Univerzity Komenskeho); [Drabek; Ondrejka]  
Research Institute of Agricultural Chemistry, Bratislava-Predmestie (Vyskumny  
ustav agrochemickej technologie); [Locigova] Department of Chemistry SVST,  
Bratislava (Chemicka fakulta SVST)

TITLE: Contribution to research of the insecticidal effect of O, O-dimethyl  
O-phenyl thiophosphate, respectively O, O-diethyl O-phenyl thiophosphates and  
phenyl N-methylcarbamate derivatives, especially the role of substituents and their  
position in the benzene ring

SOURCE: Chemicke zvesti, no. 9, 1966, 650-660

TOPIC TAGS: insecticide, phosphate ester, carbamate ester

Card 1/2

ACC NR: AP6029327

ABSTRACT: Several new O, O-dimethyl O-phenyl thiophosphate, O, O-diethyl O-phenyl thiophosphate and phenyl N-methylcarbamate derivatives are described. Their insecticidal effect was tested as a function of the substituents in the benzene ring, especially their Hammett  $\sigma$  constant. It was determined that thiophosphates are more easily hydrolyzed and thus have a higher insecticidal effect when the substituents have a higher  $\sigma$  constant value, while in the case of phenyl N-methylcarbamate a lower insecticidal effectiveness is observed. This confirms the theory that in phenyl N-methylcarbamate—in contrast to the organophosphates—the insecticidal effect is determined by the structure of the entire un-hydrolyzed molecule of the final material. This explains the seeming discrepancy in the case of m-acethylamino derivative of phenyl N-methylcarbamate. The authors thank Eng. J. Krsek of the analytical section of the Research Institute for Agricultural Chemistry in Bratislava for the analyses. Orig. art. has: 4 tables and 3 formulas. [Based on authors' abstract] [KS] [WA-50]

SUB CODE: 07, 06/SUBM DATE: 10Feb66/ORIG REF: 003/SOV REF: 001/  
OTH REF: 017/

Card 2/2

CZECHOSLOVAKIA

KOZLOVSKY, J.; INCZINGER, F.; PURDOVA, J.; Chair of Pharmacodynamics and Toxicology, Pharmaceutical Faculty, Comenius University (Katedra Farmakodynamiky a Toxikologie, Farmaceutickej Fakulty UK), Bratislava.

"The Effect of ATP Spofa on Experimental Hypertrophy of the Rat Cardiac Muscle. IV. Analysis of Nucleic Acids and Free Nucleotides."

Prague, Ceskoslovenska Farmacie, Vol 15, No 8, Oct 66, pp 406-409

Abstract /Authors' English summary modified/: Hypertrophy of the cardiac muscle was induced in rats by daily swimming for 52 days; after 18 days ATP was administered to a group of them. Changes in desoxyribonucleic acid phosphorus, ribonucleic acid phosphorus, guanosine triphosphoric acid, uridine triphosphoric acid, and adenosine triphosphoric acid are discussed. 2 Figures, 1 Table, 5 Western, 4 Czech, 1 Russian, 2 Hungarian references. (Manuscript received 30 Mar 66).

1/1

In the prefabricated industry: labor productivity as high as possible. Constru Buc 15 no.6" 1. 10 Br '63.

1. Director general al D.G.P. din M.I.C.

ELIADE, D., ing.; FURDUIESCU, G., ing.; LUPAN, M., ing.

Development of production and utilization of prefabricated parts of reinforced concrete in constructions. Pt.1. Rev constr si mat constr 16 no.8:425-436 Ag '64.

1. Head of Technical Section, State Committee for Construction, Architecture, and Town Planning (for Eliade).
2. Director General, Ministry of the Construction Industry (for Furdiescu).
3. Assistant Scientific Director, Institute of Building Research and Construction Economics (for Lupan).

ELIADÉ, D., ing.; FURDULESCU, G., ing.; LUPAN, M., ing.

Development of the production and utilization of prefabricated parts of reinforced concrete in constructions. Pt.2. Rev constr si mat constr 16 no.9:451-462 S '64.

1. Head of Technical Department, State Committee for Constructions, Architecture, and Town Planning (for Eliade). 2. Director General, Ministry of the Construction Industry (for Furdulescu). 3. Assistant Scientific Director, Institute of Building Research and Constructive Economics (for Lupan).

FURDUY, F.I.

Neurogenic mechanism of the pathogenesis of hyperthyroidism.  
Zdravookhraneniye 6 no.2:27-30 Mr-Apr'63. (MIRA 16:10)

1. Iz laboratorii fiziologii i biokhimii zhivotnykh (zav.  
kand. biolog. nauk. A.M.Marits) Instituta zoologii AN Moldav-  
skoy SSR; nauchnyy rukovoditel' raboty prof. A.A.Zubkov.

\*

KOVARSKIY, A.Ye., red.; YAROSHENKO, M.F., red.; GEYDEMAN, T.S., red.; DIKUSAR, I.G., red.; DOROKHOV, L.M., red.; ZUBKOV, A.A., red.; PELYAKH, M.A., red.; FURDUY, F.I., red.; CHEBOTAR', A.A., red.; CHORIK, F.P., red.; KOLIYEVA, L., red.

[Transactions of the Third Conference of Young Moldavian Scientists] Trudy III nauchnoi konferentsii molodykh uchenykh Moldavii. Kishinev, Kartia moldoveniaske. No.2. [Biological and agricultural sciences] Biologicheskie i sel'skokhoziastvennye nauki. 1964. 273 p. (MIRA 17:8)

1. Nauchnaya konferentsiya molodykh uchenykh Moldavii, 3d.

S/046/63/007/001/025/036  
B104/B186

AUTHOR: Purduyev, A. V.

TITLE: A deep-sea sound pick-up

PERIODICAL: Akusticheskiy zhurnal, v. 9, no. 1, 1963, 128 - 129

TEXT: The sound pick-up described is designed to receive weak signals in the ocean. The hydroacoustic converter of the pick-up is a barium titanate cylinder (Fig. 1) with tangential polarization. The height of the piezoelectric element is 32 mm, the outer diameter is 32 mm and the thickness is 1.5 mm. Ten electrodes are pasted on the generatrix of the cylinder. The electrodes are connected by copper contacts inside the hydrophone. The cylinder (1) is fastened between the lower (3) and the upper (4) cover by insulating disks and is covered by a sealing sleeve made of rubber. In the preamplifier assembly bantam-type tubes are employed. Its amplification factor is 1000, the frequency ranges from 2 cps to 10 kc/s. The droop of the frequency characteristic at a frequency of 2 cps is 10 db, and at a frequency of 10 kc/s 3 db. The sensitivity is 50 milliwatt/bar, the maximum submersion is 1500 m, the dynamic amplification range is 75 db and the noise level is 3 microvolts. There are 2 figures.  
Card 1/2

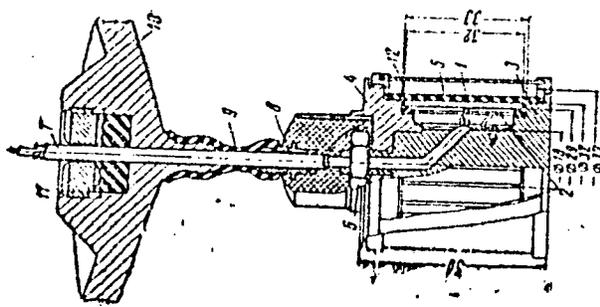
A deep-sea sound pick-up

S/046/63/009/001/025/026  
B104/B186

ASSOCIATION: Akusticheskiy institut AN SSSR, Moskva (Acoustics Institute  
AS USSR, Moscow)

SUBMITTED: August 13, 1962

Fig. 1. Deep-sea acoustic pick-up.



Card 2/2

FURDUYEV, A.V.

Ambient underwater noise of dynamic origin; review. Akust.  
zhur. 9 no.3:265-274 '63. (MIRA 16:8)

1. Akusticheskiy zhurnal AN SSSR, Moskva.  
(Underwater acoustics)

ACC NR: AP7002306

SOURCE CODE: UR/0362/66/002/005/0523/0533

AUTHOR: Furduyev, A. V.

ORG: Acoustics Institute AN SSSR (Akusticheskiy institut AN SSSR)

TITLE: Subsurface cavitation as a noise source in the ocean

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 5, 1966, 523-533

TOPIC TAGS: hydrometeorology, atmospheric wind

ABSTRACT: The article cited below describes the hypothesis of radiation of the dynamic noise of the ocean by gas-vapor bubbles cavitating near the surface and by stable resonant bubbles distributed in the water layer. The author gives an explanation of the extremum on the frequency characteristic of dynamic noise of the ocean between 0.1 and 1 kc/sec and has computed the noise spectra of near-surface cavitation and resonance radiation by the group of bubbles. A condition was formulated which determines the cavitation threshold during presence of wind waves as a function of the height and period of the waves. A typical example is used to demonstrate the possibility of cavitation under the crests of wind waves, having a broad amplitude spectrum. The author thanks B. F. Kur'yanov, M. G. Sirotiyuk and V. I. Neklyudov for useful discussions of this work. Orig. art. has: 5 figures and 21 formulas. [JPRS: 37,397]

SUB CODE: 08, 04 / SUBM DATE: 10Dec65 / ORIG REF: 009 / OTH REF: 006

Card 1/1

UDC: 551.46.062

0925 0574

SMIRNOV, Petr Vasil'yevich; TARAS'YANTS, Ruben Bogdanovich; FURDUYEV,  
P.V., red.; VORONOV, V.V., red.; PONOMAREVA, A.A., tekhn.red.

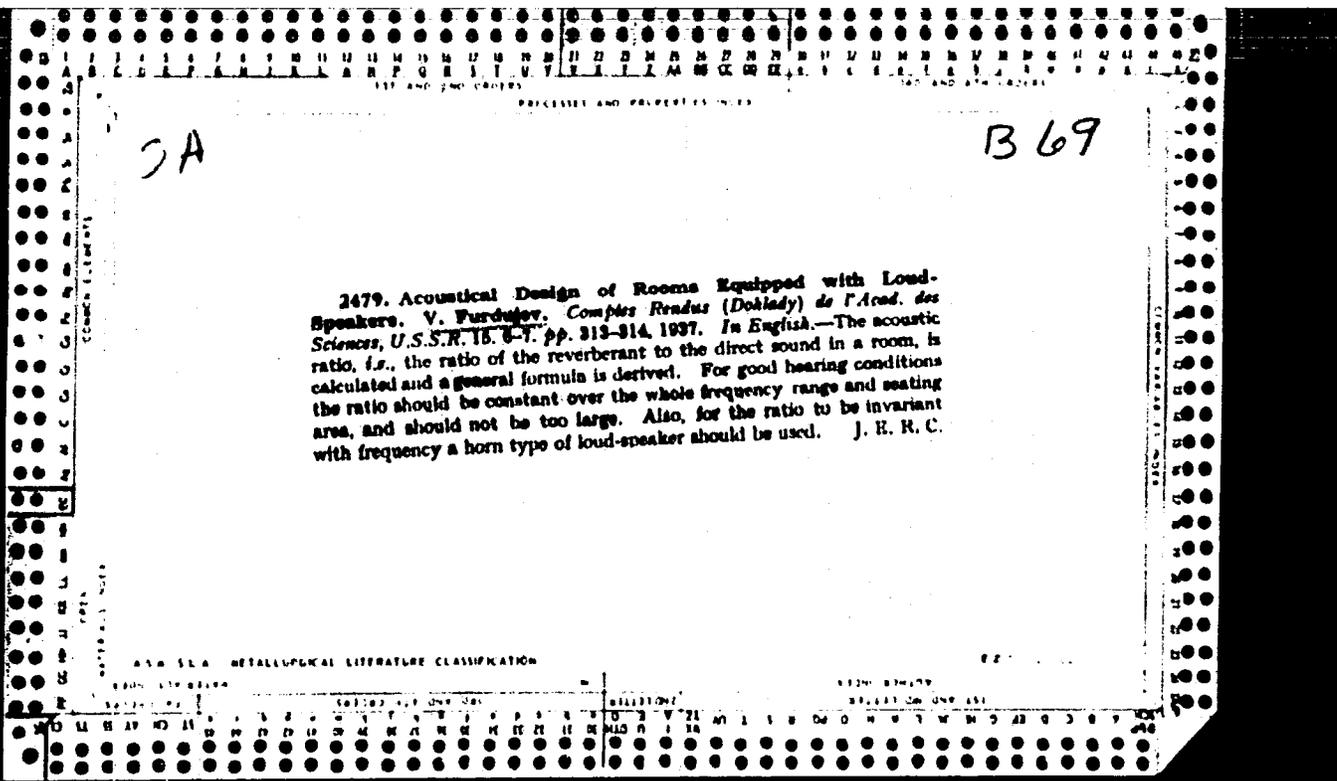
[Organization and planning of the marketing of industrial  
products in the U.S.S.R.] Organizatsiia i planirovanie sbyta  
promyshlennoi produktsii v SSSR. Pod obshchei red. P.V.Furdueva.  
Moskva, Gosplanizdat, 1960. 391 p. (MIRA 13:8)  
(Marketing)

FURDUYEV, V.

"Music, acoustics and architecture" by L.L. Beranek. Reviewed  
by V. Furduyev. Akust. zhur. 9 no.2:252-254 '63.

(MIRA 16:4)

(Architectural acoustics)  
(Beranek, L.L.)



PROCESSES AND PROPERTIES INDEX

B 69

5A

194. Some remarks on the generalized class of Bessel loud-speaking horns. V. FURDURY. *J. Techn. Phys. U.S.S.R.*, 9, 2, pp. 165-167, 1939. *In Russian.*—The question was raised by Ballantine (see Abstract 1476A (1927)) whether a series of funnels or horns of different shapes might be united into a common class, the sections of the funnels increasing according to the law  $S = S_0 r^m$ . Having the treatment of the problem on Webster's differential equation we are led to an equation of the Bessel type. A more convenient modification of the law of generating the consequent cross-sections was found by Stenzel in the form  $S = S_0(1 + a_0 r)^m$ , where  $S_0$  is the area of the inlet section. The full consideration of the problem yields some more relations of a merely mathematical character. P. B. K.

METALLURGICAL LITERATURE CLASSIFICATION

1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950

1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970

FURDUYEV, V. V.

FURDUYEV, V. V.

Furduyev, V. V. defended his Doctor's dissertation in the Moscow Electrical Engineering Institute of Communications, USSR, on the 27 June 1946, for the academic degree of Doctor of Technical Sciences.

Dissertation: "Dynamics of Electroacoustic Transducers". Resume: Furduyev set up primary fundamentals, methods, and basic relationships for analytical electroacoustics which was developed as a general theory of acoustic apparatus which electromechanically transduces audio-frequency oscillations. Using general methods and relationships, he investigated a number of partial cases of engineering interest (electrodynamic, electromagnetic, capacitor, and piezo-electric transducers).

Official Opponents: Profs. S. N. Rzhevkin, S. E. Khaykin (Doctors of Physicomathematical Sciences); L. D. Rozenberg (Doctor of Technical Sciences).

SO: Elektrichestvo, No. 7, Moscow, August 1953, pp 87-92 (W/29344, 16 Apr 54)

FURDUYEV, V. V.

Book: Electroacoustics, Moscow 1948.

FURDUEV, V. V.

534.611

4944. SURVEY OF METHODS OF ESTIMATING AND MEASURING THE DIFFUSENESS OF A SOUND FIELD.  
V. V. Furduev.

Akust. Zh., Vol. 1, No. 4, 299-314 (1955). In Russian.

A general review of the topic discussing such matters as statistics of natural oscillations, frequency irregularity, directional diffuseness, diffuseness and clarity, the role of the measuring signal.

C.R.S. Manders

FURDUYEV, V. V.

534.643

2015

Methods for Evaluating and Measuring the Diffusion of the Acoustic Field in Closed Rooms.--W. W. Furduev (Furduev). (*NachTech.*, Oct. 1956, Vol. 5, No. 10, pp. 442-454.) Critical survey and discussion of definitions and methods proposed by various authors. A measurement based on the correlation coefficient and

taking account of the composition of the sound appears to be the most suitable and convenient method [see also 2973 of 1952 (Gershman)]. 21 references.

AUTHOR: Furduyev, V.V. 46-1-9/20

TITLE: Correlation criterion of the optimum of reverberation.  
(Korrelatsionnyy kriteriy reverberatsii.)

PERIODICAL: "Akusticheskiy Zhurnal" (Journal of Acoustics), 1957,  
Vol. III, No. 1, pp. 74 - 80 (U.S.S.R.)

ABSTRACT: The existence of reverberation in a closed space can be explained by the simple fact that on top of the direct signal, the listener receives quite a number of reflections of the signal (echo-signals), the mean level of which decreases in time. Parts of the echo-signals are useful owing to a resulting increase in the basic signal, but some of them, especially those more delayed, and having a comparatively high level, distort the basic signal. The reverberation is considered to be optimum when 100% of the useful part of echo-signals reinforce the signal, the rest being below the threshold of hearing. The useful and harmful parts of reverberation have been postulated by C. Zwicker 1) in 1928 and this criterion has been used since for acoustical qualities of auditoria 2) - 5). The lifetime of useful echoed signals is usually taken to be 1/16 sec (62.5 milliseconds), since for longer delays the echo is being received as a separate signal. It is thought that the problem of the lifetime of useful echoed-signals needs further and more detailed investigation and that criteria for separating them

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should be established. It is further thought that such criteria could be found out from the study of the auto-correlation function of the acoustical signal, provided that not only statistical properties of sound but also characteristics of aural reception are taken into account. Under certain conditions, the reverberating signal may be represented as a sum of basic signals radiated by the source and of all delayed repetitions, so that the auto-correlation function can be determined. If the original signal is a random process with small repetition periods, then this auto-correlation function can be represented in the usual manner, in which case the life-time of useful part of reverberated signal is determined by the interval of coherence, beyond which the auto-correlation function is practically zero. But, as was shown by Kraft, 6) and Forsman, 7), stationary properties of music and speech are established after intervals not less than few minutes and the stationary correlation function therefore could hardly be used to define the useful part of reverberating signals. In order that the averaged value of the product of original and delayed signals of auto-correlation be realised, it should be satisfied by a certain weighting factor. The averaging can be achieved by means of a simple RC integrating network. It is analytically shown that this network, while continuously integrating the basic signal, gradually "forgets" its "past" values, making them less perceptive. Next, the current auto-correlation function of the signal is derived, 8), 9). It is established

Card 2/4

Correlation criterion of the optimum of reverberation. (Cont.)  
 that little is known about how this function behaves for  
 different averaging periods of time  $T$ . These indicate that  
 $T$  should be of the order of 25 - 35 msec, 10), R.H. Bolt and  
 P.E. Doak, 11), have shown that the optimum of reverberation  
 (i.e. the optimum averaging interval of the auto-correlation  
 function) is given by

$$T_{OPT} = 60 \frac{t_0}{N_{cr}}$$

where  $t_0$  is the interval of current auto-correlation for  
 the signal of the given type and  $N_{cr}$  is the critical level  
 below which the echo-signals become "safe" for

$$\tau_i > t_0$$

( $\tau_i$  is the delay time of  $i$ -th reflection). The above  
 shows that optimum of reverberation does not depend on the  
 volume of auditorium, which was confirmed by W. Kuhl, 12). It  
 is thought in conclusion that a compromise should be always  
 sought and the optimum of reverberation varied according to  
 the character of auditorium, music hall, etc. and to the  
 character of sound to be reproduced. Moreover, more progress-  
 ive methods should be found permitting the determination of the  
 optimum. This could be achieved by operational treatment of

Card 3/4

Correlation criterion of the optimum of reverberation. (Cont.)  
 46-1-9/20

acoustics of auditoria, so that for every kind of reproduction  
 the character of reverberation corresponds to the style of  
 reproduction. There are indications that such methods are  
 already available: stereo-reverberation, 14), magnetic and  
 acoustical delay lines and delayed feed-back installations,  
 13).

4 diagrams are given. There are 14 references of which 3  
 are Russian.

ASSOCIATION: Moscow Electro-technical Communications Institute (Moskovskiy  
 Elektrotekhnicheskiy Institut Svyazi).

SUBMITTED: September 28, 1956.

AVAILABLE:

Card 4/4

PA - 3215

AUTHOR: FURDUYEV, V.V.

TITLE: On Some Basic Concepts in Signal Theory.  
(O nekotorykh osnovnykh ponyatiyakh teorii signalov. Russian).

PERIODICAL: Radiotekhnika, 1957, Vol 12, Nr 4, pp 32 - 38 (U.S.S.R.)  
Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: The applicability of concepts and methods of the theory of the accidental functions is limited by the class of the so-called stationary processes. It is not possible to determine whether the given signal is stationary or not. Moreover, there exist in radio engineering signals which do not belong to the stationary signals (for instance AM signals). It is demonstrated in the paper under review that it is possible to determine the most important concepts of signal theory with the aid of averaging with respect to time. It is shown that the characteristics which have been adequately determined - correlation functions and spectrum - are subject to mathematical interrelationships which are related to a further class of similar signals as the class of the in the most probable sense stationary processes. In signal theory we have to deal with the following three mean values with regard to time which are related to the moment and which are determined in the interval

$t - \frac{T}{2} \leq \xi \leq t + \frac{T}{2}$  : the mean value of the signal  $M(t,T)$ , its mean performance  $P(t,T)$ , and the degree of coherence of the signal and its

Card 1/2

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108-7-10/15

AUTHOR FURDUTEV V.V.

TITLE A Letter to the Editor.

(Pis'mo v redaktsiya -Russian)

PERIODICAL Radiotekhnika, 1957, Vol 12, Nr 7, pp 74 - 75 (U.S.S.R.)

ABSTRACT

Some remarks are made here in connection with the discussion of ideas expressed by the author in his paper "On some fundamental conceptions of the signal theory". 1.) The definition of the conception of a signal which is homogeneous with respect to structure corresponding to condition (5) shall not be considered a purely mathematical definition. This condition (5) is a hypothesis based upon our conviction that the signal section chosen for the investigation is typical. This assumption is related to the ergodic hypothesis, but may also be true for a larger class of signals. 2.) The investigation of the interference and the spectral structure of heterogeneous signals requires the introduction of current autocorrelation functions. These are determined by the averaging of time with the application of one or the other weight function which characterizes the importance of earlier signal values. If the time constant of the weight function rises infinitely, the functions of the domain current autocorrelation for homogeneous signals in the domain are converted to autocorrelation functions. 3.) The definitions of the autocorrelation and signal-spectrum functions on the bases of averaging of time are not new. They were most accurately founded 30 years ago by E. Wiener (Journ. Math. a. Phys., MIT, 5, 1925-26, 99-122).

FURDUYEV, V.V.

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Vsesoyuznaya akusticheskaya konferentsiya. 4th, Moscow, 1976

Referaty dokladov (Abstracts of Reports at the Fourth All-Union Acoustical Conference) Pt. 2. Moscow, Akad. nauk SSSR, 1976. 44 p. Number of copies printed, not given.

Sponsoring Agency: Akademiya nauk SSSR.

Rep. Ed.: L.M. Buzhikovskiy, Corresponding Member, USSR Academy of Sciences.

PURPOSE: These abstracts are intended for scientists and engineers interested in acoustics.

COVERAGE: This is a mimeographed collection of brief abstracts of papers presented at the Fourth All-Union Acoustical Conference. The subjects covered are propagation of sound in nonhomogeneous media, nonlinear acoustics, ultrasonics, acoustic measurements, electroacoustics and architectural and structural acoustics.

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AVAILABLE: Library of Congress (GS 221.765)

Card 9/9

18/m1  
6-17-59

AUTHOR: Furduyev, V.V.

46- 4-1-20/23

TITLE: Acoustics Conference in Budapest (Akusticheskaya Konferentsiya v Budapeshte.)

PERIODICAL: Akusticheskiy Zhurnal, 1958, Vol.IV, Nr.1, p.107. (USSR)

ABSTRACT: An Acoustics Conference, organized by the Optical and Cinematographic Society on the initiative of T. Tarnotsi (Eötvös University), was held on 4-8th November, 1957, in Budapest. This conference was devoted to technical acoustics, mainly electroacoustics and the related problems of architectural acoustics, and to methods of acoustical measurement. Apart from Hungarian workers, specialists from seven foreign countries were present.

1. Acoustics—Conference 2. Acoustics—Measurement

Card 1/1

В. В. Фурман,  
С. И. Кочнев  
Техника автоматизации речевого сигнала

9 июня  
(с 10 до 22 часов)

И. А. Савинин,  
С. Г. Коржунский  
Электронизация инструментов

В. С. Мамонтовский  
О возможности прямой передачи звуковых сигналов от  
источника звука при стереофоничности и  
ультрастереофоничности воспроизведения.

А. М. Ковалевский  
Стереофоничность воспроизведения звука

10 июня  
(с 10 до 16 часов)

В. А. Нароффар,  
И. А. Шенкин  
Контроль и управление траекторией в других системах  
прямой передачи.

А. С. Гауфман  
Методы проверки автоматизации прямой передачи  
и других систем прямой передачи

В. М. Яким  
Подпрограммное перестроенное устройство  
МПС для стереофоничности звука

В. А. Нароффар  
Новый прибор для автоматического измерения  
мощности сигналов и проводимости сигнала

10 июня  
(с 10 до 22 часов)

И. А. Киниферов  
Защитные системы на подпрограммном  
устройстве

И. К. Павлов  
Алгоритмы автоматизации измерения при  
высокой скорости изменения сигнала и другие  
специальные задачи

11 июня  
(с 10 до 16 часов)

СВЯЗНОЕ ЗАСЕДАНИЕ НА МОСКОВИИ  
И. В. Рыжовский *И. В. Рыжовский*  
Новые методы автоматизации стереофоничности  
и ультростереофоничности воспроизведения  
на радио, телевидении и других системах

report submitted for the Conventional Meeting of the Scientific Technological Society of  
Radio Engineering and Electrical Communications in. A. S. Popov (VPEKIZ), Moscow,  
8-12 June, 1959

SOV/46-5-1-18/24

AUTHOR: Furduyev, V.V.

TITLE: Interference and Coherence of Acoustic Signals (Interferentsiya i kogerentnost' akusticheskikh signalov)

PERIODICAL: Akusticheskiy Zhurnal, 1959, Vol 5, Nr 1, pp 111-116 (USSR)

ABSTRACT: Acoustic interference is observed in speech and music when two identical signals, separated by a time interval, are superimposed upon one another. In contrast to optical interference, the resulting acoustic signal changes both in magnitude and sign with time. These changes are described by the author by means of a self-correlation function and an exponential weighting function. Interval and coherence of natural vibrations are also discussed. The paper is entirely theoretical. There are 7 references, 5 of which are Soviet, 1 English and 1 Dutch.

ASSOCIATION: Moskovskiy elektrotekhnicheskiy institut svyazi (Moscow Electro-Technical Institute of Communications)

SUBMITTED: November 18, 1957

Card 1/3

KONTYURI, L. [Conturie, L.]; RABINOVICH, A.V., kand.tekhn.nauk [translator];  
KURDUYEV, V.V., prof., doktor tekhn.nauk, red.; OSIPOV, G.L.,  
kand.tekhn.nauk, red.; BEGAK, B.A., red.; GILSON, P.G., tekhn.red.

[Acoustics in construction] Akustika v stroitel'stve. Pod red.  
V.V.Furdueva. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i  
stroit.materialam, 1960. 234 p. Translated from the French.  
(MIRA 14:3)

(Acoustical engineering)

FURDUYEV, Vadim Vladimirovich; VENGRENTUK, L.I., red.; SHEPER, G.I.,  
tekh.red.

[Acoustic principles of broadcasting] Akusticheskie osnovy  
veshchaniia. Moskva, Gos.isd-vo lit-ry po voprosam sviazi  
i radio, 1960. 319 p. (MIRA 14:3)  
(Sound) (Radiobroadcasting)

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S/194/61/000/008/091/092  
D201/D304

6.9210

AUTHORS: Furduyev, V.V. and Krechmer, S.I.

TITLE: The present auto-correlation of a speech signal

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1961, 58, abstract 8 K495 (V sb. 100 let so dnya rozhd. A.S. Popova, M., AN SSSR, 1960, 228-234)

TEXT: The statistical properties of speech are quantitatively determined by the first distribution and the integral law of distribution of instantaneous values of the autocorrelation function for different delay times. The experimental evaluation of the RMS values of this function has resulted in determining the coherence coefficient as a function of the timeshift of the signal and of its delayed repetitions. The coherence interval of the speech signal is about 70-80 microsec. Two tape recorders were used in the measuring arrangement, one of which was used as a controlled 0-0.56 sec. delay line. The direct and delayed signals were applied to a

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The present auto-correlation...

correlator with an integrator having a time constant of 30 microsec.  
The indications were recorded on a loop oscilloscope. The statis-  
tical processing of correlograms was carried out manually. [Ab- X  
stractor's note: Complete translation]

Card 2/2

FURDUYEV, V.V.

Modern systems of artificial reverberation. Tekh.kino i telev. 4  
no.9:70-77 S '60. (MIRA 13:9)  
(Architectural acoustics)

FURDUYEV, V.V.; CHEN TUN

Measurement of the diffusivity of a sound field in rooms with the  
aid of a directional microphone, Akust.zhur. 6 no.1:107-115 '60.  
(MIRA 14:5)

1. Moskovskiy elektrotekhnicheskiy institut svyazi.  
(Sound waves)

FURDUYEV, V.V., red.; BEGAK, B.A., red.izd-va; TEMKINA, Ye.L., tekhn. red.

[Architectural acoustics; transactions] Arkhitekturnaia akustika;  
trudy. Pod red. V.V.Furdueva. Moskva, Gos. izd-vo lit-ry po stroit.,  
arkhit. i stroit. materialam, 1961. 134 p. (MIRA 14:11)

1. Nauchno-tekhnicheskoye soveshchaniye po voprosam arkhitekturnoy  
akustiki, Moscow, 1959.  
(Architectural acoustics)

FURDUYEV, V.V.

Acoustical feedback in sound amplification systems. Izv.  
ASIA no.1:75-86 '61. (MIRA 14:7)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury  
SSSR.

(Architectural acoustics)

FURDUYEV, V.V.

Stereo-reverberation. Akust.zhur. 7 no.2:242-247 '61.

(MIRA 14:7)

1. Nauchno-issledovatel'skiy institut stroitel'noy fiziki Akademii  
stroitel'stva i arkhitektury SSSR.  
(Acoustical engineering)

VEKLENKO, A.F., kand.tekhn. nauk; RIMSKIY-KORSAKOV, A.V., doktor fiz.-  
matem.nauk, prof.; RUSAKOV, I.G., kand. fiz.-matem. nauk;  
FURDUYEV, V.V., doktor tekhn. nauk, prof.; ASHKENAZI, E.L.,  
red.; SHKLYAR, S.Ya., tekhn. red.

[International electrotechnical vocabulary] Mezhdunarodnyi  
elektrotekhnicheskii slovar'. Izd.2. Moskva, Glav. red.  
inostr. nauchno-tekhn.slovarei Fizmatgiza. Group 08. [Electro-  
acoustics] Elektroakustika. 1963. 140 p. (MIRA 17:2)

1. International Electrotechnical Commission. 2. Deystvitel'-  
nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for  
Furduyev).

1. 37069-66

ACC NR: AP6016826

(N)

SOURCE CODE: UR/0046/66/012/002/0181/0184

AUTHORS: Vinogradova, E. L.; Furduyev, V. V.

30

ORG: Scientific-Research Institute of Construction Physics

B

TITLE: Coefficient of directivity of a linear array of directional loudspeakers

SOURCE: Akusticheskiy zhurnal, v. 12, no. 2, 1966, 181-184

TOPIC TAGS: acoustic radiation, sound propagation, coherent sound

ABSTRACT: The purpose of the investigation was to determine the directivity of a linear array of directly radiating electrodynamic horn loud speakers, such as are frequently used in large public address systems. By analyzing the coefficient of axial concentration of radiation from each speaker and for an array of speakers with different spacings, it is concluded that at frequencies for which the distance between speakers exceeds the wavelength, the coefficient of the array can be determined with sufficiently great approximation by the product of the number of sources and the directivity coefficient of a single speaker. Orig. art. has: 8 formulas, 1 figure, and 1 table.

SUB CODE: 20/ SUBM DATE: 29Aug64/ ORIG REF: 002/ OTH REF: 001/

Card 1/1

UDC: 534.874.1

FURDZIK, Zbigniew

On the asymptotic expansion of functions. Prace matem Krakow  
no. 9:23-26 '63.

EGEDY, E.; STEKKER, K.; FUREDI, Erzsebet; FONYODI, Sarolta

Renal insufficiency after surgery in severe liver, biliary and pancreatic diseases. Acta chir. acad. sci. hung. 3 no.4:343-354 '62.

I. I Chirurgische Klinik (Direktor: Prof. Dr. Dr. h.c. E. Hedri)  
und II Pathologisches Institut (Direktor: Prof. Dr. L. Haranghy)  
der Medizinischen Universität Budapest.

(LIVER DISEASES) (PANCREAS) (BILIARY TRACT)  
(JAUNDICE) (ACUTE RENAL FAILURE) (ANURIA)

MARK, Istvan, dr.; FUREDI, Erzsébet, dr. ; GROMOLY, Eva, dr.

Involvement of the gastro-intestinal tract in Brill-Symmers  
disease. Magy onk. 8 no.1:58-64 Mr'64

\*

FÜREDI, H.

Application of microdiffusion methods for the determination of carbon dioxide in solid carbonates. Croat chem acta 33 no.4: 201-207 '61.

1. Department of Physical Chemistry, Institute "Ruder Boskovic," Zagreb, Croatia, Yugoslavia.

FUREDI, H.

Spectrophotometric determination of uranium in the presence of alkaline earths. Croat chem acta 34 no.2:109-113 '62.

1. Department of Physical Chemistry, Institute "Ruder Boskovic", Zagreb, Croatia, Yugoslavia.

BILINSKI, H.; FÜREDI, H.; BRANICA, M.; TEZAK, B.

Precipitation and hydrolysis of thorium (IV) in aqueous solution: thorium nitrate - potassium hydroxide. I. Determination of solubility constants on  $\text{Th}(\text{OH})_4$ . Croat chem acta 35 no.1:19-30 '63.

1. Department of Physical Chemistry, Institute "Ruder Boskovic", and Laboratory of Physical Chemistry, Faculty of Science, University of Zagreb, Zagreb, Croatia, Yugoslavia. 2. Glavni urednik, "Croatia chemica acta" (for Tezak).

BILINSKI, H.; FUREDI, H.; TEZAK, B.

Precipitation and hydrolysis of thorium (IV) in aqueous solution.  
II. Influence of pH and neutral electrolytes upon the precipitation in the system thorium nitrate - potassium phthalate.  
Croat chem acta 35 no.1:31-42 '63.

1. Department of Physical Chemistry, Institute "Ruder Boskovic"  
and Laboratory of Physical Chemistry, Faculty of Science,  
University of Zagreb, Zagreb, Croatia, Yugoslavia.

FUREDI, H.; TEZAK, B.

Precipitation and hydrolysis of uranium(VI) in aqueous solutions.  
Pt. 2. Croat chem acta 36 no.3:119-131 '64.

I. Department of Physical Chemistry of the Ruđer Bošković  
Institute, Zagreb, and Institute of Physical Chemistry of the  
Faculty of Mathematics and Natural Sciences, Zagreb. Submitted  
April 17, 1964.

BRANICA, M.; BILINSKI-MATOSIC, H.; FUREDI, H.; MISLJENAC, Z.; POKRIC, B.

Stability of thorium (IV), zirconium (IV), yttrium (III) and rare earths (III) hydroxides and their soluble ionic species in equilibrium with the solid phase. Croat chem acta 35 no.4:A21-A22 '63.

1. Department of Physical Chemistry, Institute "Ruder Boskovic", Zagreb, (roatia, Yugoslavia.

FUREDI, H.

The mechanism of coprecipitation of uranium (VI) from aqueous solutions of uranyl nitrate, sodium carbonate and alkaline earth chlorides. Croat chem acta 35 no.4:A25 '63.

1. Department of Physical Chemistry, Institute "Ruder Boskovic", Zagreb, Croatia, Yugoslavia.

FUREDI, J.

Possibilities for designers and researchers in the field of innovations.  
p. 14 MAGYAR TEXTILTECHNICKA Budapest Vol. 11, No. 7, July 1955

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol. 5, No. 6, June 1956

FUREDI, J.

Study tour in Australia. Orv. hetil. 106 no.49:2335-2337  
15 D' 65

FUREDI, Laszlo, dr.

Idiopathic hypertrophy of esophageal muscles. Orv. hetil. 106  
no.13:608-510 28 Mr '65

1. Tolna megyei Tanacs Balassa Janos Korhaz, Sebészeti Osztaly  
(forros: ifj. Kelemen, Endre, dr.).

FUREDI, Livia

Blasting the Magylengyel bitumens. Veszprem vegyip egy kozl  
4 no. 311-312 '60

1. Magyar Asvanolaj es Foldgaz Kiserleti Intezet, Veszprem.

FURÉDI, Mihaly

Type designation of high-voltage devices. Villamossag 11 no.4:107  
Ap '63.

FARKAS, Bela; HOLCHAUSER, Albert; FUREDI, Pal; SZEPESEI, Endre, Dr.;  
SZABADY, Jeno; SZAPESSY, Sandor; HELASZ, Antal; BALLAI, Lasslo;  
SZEKELY, Istvan; KOHUT, Matyas

Remarks on the article "Problems of technical development for the heavy industry on the basis of the requirements of industrial branches which use its products." Villamossag 9 no.1/3:53-61 Ja-Mr '61.

1. A Klement Gottwald Villamossagi Gyar formernoke (for Farkas).
2. A TRANSZVILL Transzformator es Villamoskeszulekgyar formernoke (for Holczhauser).
3. VERTESZ Villamoseromu Tervezo es Szerelo Vallalat (for Furedi).
4. Hoennergiagazdasagi es Tervezo Vallalat (for Szepesi).
5. Klement Gottwald Villamossagi Gyar (for Szabady and Szekely).
6. Csepeli Transzformatorgyar (for Halasz ).
7. Ganz Kapcsolok es Keszulekek Gyara (for Kohut).

FUREDI, Pal, fomernok

VERTESI--type low-voltage switchgears. Villamossag 11 no.6:  
176-186 Je '63.

1. Villamos Eromu Tervezo es Szerelo Vallalat.

FUREDI-SZABO, MARIENNE

ABLONCI, Pal; FUREDI-SZABO, Marianne

Studies of the blood proteins in pernicious anemia. Orv hetil  
95 no.13:348-351 Mr '54. (REAL 3:8)

1. A Debreceni Orvostudományi Egyetem I. sz. Belklinikájának  
vezetője: Fonet Bela dr. egyet tanár) közleménye.  
(ANEMIA, PERNICIOUS, blood in  
\*proteins)  
(BLOOD PROTEINS, in various dis.  
\*anemia, pernicious)

LELEK, Istvan, dr.; FUREDI-Szabo, Marianne, dr.

Data on the anti-allergic activity of Rauwolfia serpentina  
alkaloid reserpine. Orv.hetil. 101 no.35:1233-1234 28 Ag '60.

1. Soproni Allami Szanatorium, III. sz. belosztaly  
(ALLERGY exper)  
(RESERPINE pharmacol)

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